

## ECS/EMD Configuration Change Request

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1. Originator Sarah Lewallen	2. Log Date: 01/07/04	3. CCR #: 04-0005	4. Rev: —	5. Tel: 301-925-0865	6. Rm #: 3103A	7. Org. COTS
8. CCR Title: Upgrade the datapool hosts at GSFC, NSIDC, LaRC, and EDC						
9. Originator Signature/Date Sarah Lewallen /s/ 01/06/04			10. Class II	11. Type: CCR	12. Need Date: 1/30/04	
13. CCR Sponsor Signature/Date Peter T. Gilruth /s/ 01/06/04			14. Category of Change: Update ECS/EMD Baseline Doc		15. Priority: (If "Emergency" fill in Block 27). Routine	
16. Documentation/Drawings Impacted (Review and submit checklist): 920-TDG-001, 920-TDE-001, 920-TDL-001, 920-TDN-001			17. Schedule Impact:		18. CI(s) Affected:DP SHW	
19. Release Affected by this Change: N/A		20. Date due to Customer:		21. Estimated Cost: None - Under 100K		
22. Source Reference: <input type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input checked="" type="checkbox"/> Other: Synergy IV						
23. Problem: (use additional Sheets if necessary) Need additional processing power in the SUN 4800 systems used as datapool.						
24. Proposed Solution: (use additional sheets if necessary) Add additional CPUs and memory to the SUN 4800. Add 4 x 1050 MHz CPUs and 8 GB of memory to LaRC and EDC. Remove 4x900 MHz CPUs and 4 GB of memory and replace with 4 x 1050 MHz CPUs and 8 GB of memory. Add 4 x 900 MHz CPUs and 4 GB of memory at NSIDC (reuse from GSFC).						
25. Alternate Solution: (use additional sheets if necessary) None						
26. Consequences if Change(s) are not approved: (use additional sheets if necessary) Will not be able to meet processing requirements for Synergy.						
27. Justification for Emergency (If Block 15 is "Emergency"):						
28. Site(s) Affected: <input type="checkbox"/> EDF <input type="checkbox"/> PVC <input type="checkbox"/> VATC <input checked="" type="checkbox"/> EDC <input checked="" type="checkbox"/> GSFC <input checked="" type="checkbox"/> LaRC <input checked="" type="checkbox"/> NSIDC <input type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
29. Board Comments:			30. Work Assigned To:		31. CCR Closed Date:	
32. SCDV CCB Chair (Sign/Date): Byron Peters /s/ 1/8/04			Disposition: <span style="border: 1px solid red; color: red;">Approved</span> App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
33. EDF CCB Chair (Sign/Date):			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
34. ECS CCB Chair (Sign/Date):			Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS			

## ADDITIONAL SHEET

**CCR #:** 04-0005    **Rev:** —    **Originator:** Sarah Lewallen

**Telephone:** 301-925-0865    **Office:** 3103A

**Title of Change:** Upgrade the datapool hosts at GSFC, NSIDC, LaRC, and EDC

In preparation for the update, the following patches are needed:

5.13.x - 112494

5.14.x - 112883

5.15.x - 112884

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\*WARNING! DO NOT INSTALL CPUS UNTIL THE FIRMWARE IS UPDATED!\*  
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Expand these in the /tmp directory of your ftp server. Read over the install.info document. The commands needed to update the firmware are found in this document. The firmware will be updated on SC1 first (in incremental steps) from the remote ftp server. Once SC1 is up to 5.15.1, the SC0 will be flashed from SC1. Then the new CPUs may be added. If you put the CPUs in first, the service flag will be triggered since the firmware on the system controller can't communicate with the CPUs and it causes lots of headaches.

The DAAC should schedule Sun to do the CPU install. If there is any question about the firmware upgrade, the DAAC may request a Sun tech to do upgrade prior to the CPU installation. Be sure to include this request in the ticket so the Sun tech will be prepared with a laptop, a null modem cable, and a cross connect RJ45.

For additional questions, call Sarah Lewallen 301-925-0865.